

Excuse me AMTICS!

August 21, 2024

ISSUE 03

FORTNIGHT FLASH

Figma Design Workshop (August 2, 2024)



The session commenced with the introduction of the invited speaker, followed by the transfer of the session to the expert, Mr. Karan Barad, Senior UI/UX Design Team Lead at Iconic Design, Navsari, Gujarat, India. The workshop focused on providing students with practical knowledge and hands-on experience using Figma. The goal was to introduce new design concepts such as shape, colour, and typography, while also familiarizing students with various Figma tools.

The highlight of the workshop was a hands-on exercise where students applied their new skills in a Figma Design Competition. They created website designs, gaining practical experience in setting up design environments and using Figma's tools. This activity not only reinforced their learning but also added an element of fun and creativity to the experience.

Overall, the workshop provided students with a solid foundation in design principles and Figma, empowering them to bring their creative ideas to life.

Independence Day (August 15, 2024)



On 15th August 2024, the 78th Independence Day was celebrated with the 'हर घर तिरंगा' initiative, inspired by Prime Minister Narendra Modi. Organized by NSS AMTICS, students, faculty, and citizens proudly hoisted the तिरंगा at their homes, capturing and sharing these patriotic moments online. This initiative fostered unity, national pride, and a deep sense of connection, symbolizing our collective respect for the nation and marking a truly successful, heartfelt celebration of independence.

FORTNIGHT FLASH

Granted Patent



Dr. Vishvajit Bakrola, Director, and Mr. Keyur Surati, Assistant Professor at AMTICS, have been engaged in developing a multipurpose Liquid Packaging Bottle Can over the past year. Their innovative work has culminated in the successful granting of a design patent by the Patent Office of India, dated August 02, 2024.

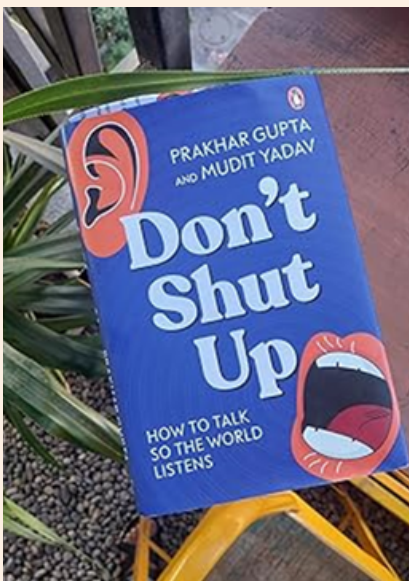
Placements

The AMTICS family extends heartfelt congratulations to Ms. Dhvani Kedar, Mr. Dhruv Patel, and Mr. Balkrishna Khyalilal Mehta on their selection by Propelius Technologies. Our warm wishes go out to Mr. Kushagra Peter and Mr. Saurabh Yadav on their selection by La Net Team Software Solutions Pvt. Ltd., as well as to Mr. Romil Movaliya and Mr. Aditya Rajpurohit for their selection by Inkey IT Solutions Pvt. Ltd. Additionally, we proudly congratulate Mr. Milan Gautam and Mr. Kartik Rajiv Ballal on securing placements at (IAM)OPS.

Their exceptional skills and resilience throughout their academic journey have led to this achievement. This success is a testament to their perseverance and the strong support from our professors and placement cell.

THE TALES OF AMTICS

Book Review



"Don't Shut Up" by Prakhar Gupta and Mudit Yadav

"Don't Shut Up" by Prakhar Gupta and Mudit Yadav is a unique book divided into two parts. The first part, written by Prakhar Gupta, covers 60% of the content from a student hood to adulthood perspective. The second part, by Mudit Yadav, focuses on the grown-up zone and makes up 40% of the book. Prakhar Gupta, an entrepreneur, podcaster, and keynote speaker, and Mudit Yadav, a keynote speaker and executive coach, have magnified life one conversation at a time. They explore twenty-three situations that impact life and happiness, offering advice on navigating each one. Their combined insights emphasize the importance of communication in managing the world and building sustainable relationships. This book is a motivational read, inspiring readers to find and use their voices effectively at every stage of life.

- Abhay Patel (5th Semester B.Tech. CSE)

THE TALES OF AMTICS

“Can't find words when got an opportunity to speak
Can't find a source of shine when eyes were open
Can't find a true friend when got a chance to choose
Can't find myself in my own self when wanted some mental strength”

- Yasvi Chokhawala (5th Semester B.Tech. CSE)



Dr. Dinesh R. Shah

"Through the delicate art of Rangoli, we learn that life's beauty lies in its vibrant imperfections, and every small effort can create a masterpiece of joy and harmony."

- Sapna Sharma (5th Semester B.Tech. CSE)

माँ!

तेरी गोदी में सिर रख कर सोते कब बड़े हो गई पता ही नहीं चला,
तेरी उंगली पकड़ कर चलने से लेकर दुनिया की दौड़ में कब शामिल हो गए पता ही नहीं चला,
तेरी डांट खाने को कब प्यार समझने लगे पता ही नहीं चला,
तेरी हाथों से छोटा सा निवाला खाने से लेकर कुछ खाने के लिए समय ना रहने वाला दौर कब आ गया पता ही नहीं चला,
इस मतलबी दुनिया में तेरी आँखों का सितारा कहाँ खो गया पता ही नहीं चला,
पल-पल करके समय कब बदल गया पता ही नहीं चला!
माँ, तेरी आँखों का तारा कब बड़ा हो गया पता ही नहीं चला!

- रुद्र पटेल (3rd Semester B.Tech. CSE)

ECHOES OF INNOVATION

Innovative Wearable Patch for Predicting Cardiac Ischemic Injury

Cardiovascular diseases (CVDs) are the leading cause of mortality in India, with ischemic heart disease and stroke responsible for over 80% of CVD deaths. To address this critical issue, a team from AMTICS at Uka Tarsadia University proposed an innovative solution, securing Rs 1,50,000 in funding at the SSIP Idea Hunt Event.

The team, mentored by Mr. Vishvajit Bakrola and led by Mr. Manas Sunil Patil, includes Ms. Yasvi Chokhawala, Ms. Dhruvi Patel, and Mr. Uttam Vaghasia. Their project, "A Wearable Patch for Monitoring and Predicting Cardiac Ischemic Injury with Electrocardiogram," is an AI-enabled, portable, and wearable patch that records cardiovascular electrical signals and analyzes abnormalities in real-time. This patch offers a cost-effective and scalable solution for early CVD detection, especially in regions with limited healthcare access.

By integrating AI with healthcare, this innovative patch aims to reduce CVD-related mortality and improve the quality of life for millions in India. The team's success highlights the potential of young innovators in contributing to significant public health advancements.

5G and Beyond: A Glimpse into the Future of Connectivity

Imagine a world where your refrigerator orders groceries before you run out, your car communicates with traffic lights to ensure you hit green lights all the way to work, and virtual reality lets you attend concerts on the other side of the globe all in real-time. Welcome to the future, powered by 5G and the tantalizing prospect of 6G!

The Magic of 5G: Faster, Smarter, Everywhere

5G isn't just about faster internet on your phone (though that's a pretty sweet perk). It's a complete game-changer for how we interact with technology. With 5G, we're talking about speeds up to 100 times faster than 4G. Think of downloading a full HD movie in seconds rather than minutes. But speed is just the beginning.

Reliability and low latency are the real heroes here. Latency, or the time it takes for data to travel from one point to another, is dramatically reduced with 5G. This means real-time communication between devices, a critical factor for innovations like autonomous vehicles and remote surgeries. Imagine your car instantly reacting to a pedestrian stepping into the road, or a surgeon in New York performing a procedure on a patient in London with zero lag time. It's not science fiction—it's 5G.

Smart Cities: Living the Future

Smart cities are one of the most exciting applications of 5G. Picture this: interconnected traffic systems, energy grids, and public services all working seamlessly together. Streetlights that dim when no one's around to save energy, trash cans that alert sanitation workers when they're full, and even park benches that charge your phone. These aren't dreams—they're imminent realities.

ECHOES OF INNOVATION

Smart Cities: Living the Future

Smart cities are one of the most exciting applications of 5G. Picture this: interconnected traffic systems, energy grids, and public services all working seamlessly together. Streetlights that dim when no one's around to save energy, trash cans that alert sanitation workers when they're full, and even park benches that charge your phone. These aren't dreams—they're imminent realities.

The Internet of Things (IoT): Everything is Connected

5G is the backbone of IoT, enabling billions of devices to connect and communicate. From smart homes where your thermostat talks to your window blinds, to industrial IoT where machines on a factory floor self-diagnose and order their own replacement parts, the possibilities are endless. It's about creating an ecosystem where everything from your smartwatch to your coffee maker can exchange data, learn from each other, and make our lives more efficient and enjoyable.

Peeking into 6G: What's Next?

While we're still rolling out 5G, the tech world is already buzzing about 6G. Expected to hit around 2030, 6G promises even more mind-blowing speeds and capabilities. Think terabyte-per-second speeds and networks that seamlessly integrate physical and virtual realities. Imagine holographic communication, advanced AI-driven applications, and unprecedented advancements in fields like healthcare, entertainment, and beyond. In essence, 6G will build on 5G's foundation, pushing the boundaries of what we think is possible. It's not just about connecting more devices but making those connections smarter and more intuitive.

- Arpit Bhanderi (7th Semester B.Tech. CSE)

EDITORIAL BOARD

Editor in Chief

Dr. Vishvajit Bakrola
I/C Director

Editor

Prof. Vidhi Patel
Assistant Professor

Editorial Team (Students)

Ms. Gati Shah (5th Semester)
Mr. Manas Patil (5th Semester)
Ms. Yasvi Chokhawala (5th Semester)